

What is claimed is:

1. A motor comprising:

a stator formed by assembling a plurality of divided stator members having teeth; and

5 a rotor facing said stator,

wherein each one of the divided stator members is formed by laminating a plurality of core sheets and bonding at least parts of end faces along a laminating direction of the core sheets with adhesive.

10 2. A motor of claim 1, wherein laminated end faces of each one of the divided stator members are welded to fix the core sheets each other at parts of the teeth except a section facing said rotor.

3. A motor of claim 1, wherein laminated end faces of each one of
15 the divided stator members are welded to fix the core sheets each other at back faces of the teeth.

4. The motor of claim 1, further comprising a welding section for linking the divided stator members adjacent to each other by welding.

20 5. The motor of claim 4, wherein a non-bonding section is provided near said welding section to block the adhesive from infiltrating around said welding section.

25 6. The motor of claim 5, wherein the non-bonding section is coated with water and oil repellent material.

7. The motor of claim 1, wherein the teeth are wound with conductive windings in a concentrated manner via insulators.

8. A compressor incorporating a motor, wherein said motor
5 comprising:

a stator formed by assembling a plurality of divided stator members having teeth; and

a rotor facing said stator,

wherein each one of the divided stator members is formed by
10 laminating a plurality of core sheets and bonding at least parts of end faces along a laminating direction of the core sheets with adhesive.

9. The compressor of claim 8, wherein laminated end faces of each one of the divided stator members are welded to fix the core sheets to each other
15 at parts of the teeth except a section facing said rotor.

10. The compressor of claim 8, wherein laminated end faces of each one of the divided stator members are welded to fix the core sheets to each other at back faces of the teeth.

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11. The compressor of claim 8, further comprising a welding section for linking the divided stator members adjacent to each other by welding.

12. The compressor of claim 11, wherein a non-bonding section is
25 provided near said welding section to block the adhesive from infiltrating around said welding section.

13. The compressor of claim 12, wherein the non-bonding section is coated with water and oil repellent material.

14. The compressor of claim 8, wherein the teeth are wound with
5 conductive windings in a concentrated manner via insulators.